



PATENTS  
112008-0027C1

7B  
EN  
7/23/01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of: )  
John Abedor, et al )  
Serial No.: ~~08/740,637~~ <sup>09/441,003</sup> )  
Filed: October 31, 1996 )  
For: ESTIMATING TAPE PACK )  
RADIUS USING A KALMAN )  
FILTER )

Examiner: Nguyen, John

Art Unit: 3653

Cesari and McKenna, LLP  
88 Black Falcon Avenue  
Boston, MA 02210  
July 12, 2001

"Express Mail" Mailing-Label Number: EL 705 604 585 US

Honorable Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

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JUL 18 2001  
TO 3600 MAIL ROOM

AMENDMENT

This Amendment is filed in response to the Office Action dated March 13, 2001.

In the claims:

Please cancel claim 3 without prejudice.

Please amend the claims as follows.

1 . A system for measuring tape pack radii, comprising:

a tape supply reel, said tape supply reel rotating as a tape leaves said tape supply reel during a tape transfer process;

07/17/2001 MYUSUF1 00000014 08740637  
02 FC:103 18.00 OP  
03 FC:102 320.00 OP

07/24/2001 ENDRIN 00000004 031237 09441003  
01 FC:102 00.00 CH  
02 FC:103 00.00 CH



PATENTS  
112008-0027C1

Honorable Commissioner of Patents and Trademarks  
Washington, DC 20231

**AMENDMENT TRANSMITTAL LETTER**

Sir:

Transmitted herewith for filing in the Patent Application of  
Inventor(s): John Abedor, et al

For: ESTIMATING TAPE PACK RADIUS USING A  
KALMAN FILTER

Serial No.: ~~08/740,637~~ 09/441,003

Filed: October 31, 1996

are the following papers:

- ☒ A response to the Office action dated March 13, 2001
- ☒ A petition for extension of time and check for \$110
- ☒ A check for \$338 to cover the fee for additional claims resulting from the response. The fee is calculated as follows:

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Total Claims Remaining after  
Amendment:.....21  
Less Highest Number of Total Claims  
Previously Paid for:.....20

Difference.....1 x \$ 18 = \$ 18

Independent Claims Remaining  
after Amendment.....8  
Less Highest Number of Independent  
Claims Previously Paid for.....4

Difference.....4 x \$ 80 = \$ 320

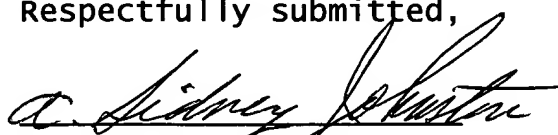
Multiple-Dependent-Claim Fee Required  
after Amendment and Not Previously Paid..... \$ 0

Total of Above Calculations..... \$ 338  
Less Reduction for Small Entity ..... \$ 0

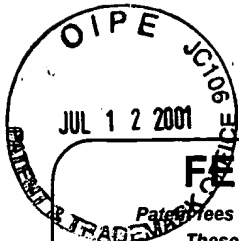
Total Due ..... \$ 338

The Commissioner is hereby authorized to charge any  
other fees under 37 C.F.R. §§1.16 and 1.17 that may be required,  
or credit any overpayment, to our Deposit Account No..03-1237.

Respectfully submitted,



A. Sidney Johnston  
Reg. No. 29,548  
CESARI AND MCKENNA, LLP  
88 Black Falcon Avenue  
Boston, MA 02210  
(617) 951-2500



# FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT

(\$)

448

## Complete If Known

Application Number ~~06748,637~~ 09/441,023  
Filing Date October 31, 1996  
First Named Inventor John Abedor, et al  
Examiner Name Nguyen, John  
Group / Art Unit 3653  
Attorney Docket No. 112008-0027C1

### METHOD OF PAYMENT (check one)

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit  
Account  
Number

03-1237

Deposit  
Account  
Name

Cesari and McKenna, LLP

- ☒ Charge Any Additional Fee Required Under 37 C.F.R. §§1.16 and 1.17 ☐ Charge the Issue Fee Set in 37 C.F.R. §§1.18 at the Mailing of the Notice of Allowance

2. ☒ Payment Enclosed:

☒ Check ☐ Money ☐ Other Order

### FEE CALCULATION

#### 1. BASIC FILING FEE

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
101	710	201	35	Utility filing fee	
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$)

0

#### 2. EXTRA CLAIM FEES

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
21	8		20**	1 x 18 = 18	18
			4**	4 x 80 = 320	320
					0

\*\*or number previously paid, if greater; For Reissues, see below

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

338

### FEE CALCULATION (continued)

#### 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid		
105	130	205	65	Fee Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English Specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	110
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	128	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility Issue fee (or reissue)	
143	440	243	220	Design Issue fee	
144	600	244	300	Plant Issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))	

Other (specify)  
Other fee (specify)

SUBTOTAL (3) (\$)

110

\*Reduced by Basic Filing Fee Paid

### SUBMITTED BY

Typed or  
Printed Name

A. Sidney Johnston

Signature

*A. Sidney Johnston*

Date

July 12, 2001

### Complete (if applicable)

Reg. Number

29,548

Deposit Account User ID



07-13-01

3653  
\$

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EXPRESS-MAIL DEPOSIT

"Express Mail" Mailing-Label Number: EL 705 604 585 US

The following papers are being deposited with the United States Postal Service  
"Express Mail Post Office to Addressee" service pursuant to 37 C.F.R. §1.10:

X Fee Transmittal Letter

X Petition One Month of Extended Time

X Response to Office Action

X Check for \$448.00

X Terminal Disclaimer

X Amendment Transmittal